

## ITED STATES PATENT AND TRADEMARK OFFICE

Application No.:

10/655,024

Filing Date:

September 5, 2003

Applicant:

Gun-Ok JUNG et al.

Group Art Unit:

2816

Examiner:

Cassandra F. Cox

Title:

FREQUENCY MULTIPLIER CAPABLE OF ADJUSTING

DUTY CYCLE OF A CLOCK AND METHOD USED

THEREIN

Attorney Docket:

2557-000170/US

Customer Service Window Randolph Building 401 Dulany Street Alexandria, VA 22314

February 10, 2005

**Mail Stop Amendment** 

## **INFORMATION DISCLOSURE STATEMENT**

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant hereby submits an Information Disclosure Statement for consideration by the Examiner.

#### T. LIST OF PATENTS, PUBLICATIONS, AND OTHER INFORMATION

The patents, publications and other information submitted for consideration by the Office (except unpublished U.S. patent applications) are listed on Form 1449 attached hereto.

#### II. **COPIES**

A. Submitted herewith is a legible copy of (i) each foreign patent; (ii) each publication or that portion which caused it to be listed, other than U.S. patents and U.S. patent application publications unless required by the Office; (iii) for each cited pending unpublished U.S. application listed below in Section IV, the application specification including the claims, and any drawing of the application, or that portion of the application which caused it to be listed including any claims directed to that portion; and (iv) all other information or that portion which caused it to be listed.

B. Any patents, publications or other information which are listed on Form 1449 or on the copies of PTO-892, but which are not enclosed herewith, were previously cited by or submitted to the PTO in one of the following applications which has been relied upon for an earlier filing date under 35 U.S.C. § 120:

## U.S. Serial Number

# U.S. Filing Date

	C. Because the present application the U.S. patents or U.S. patent approximately are enclosed pursuant to patent documents or non-patent literature.	olication publications which a the waiver of 37 C.F.R. § 1	re listed on the attached		
	D. This is a PCT application in the copy of the International Search Redocuments listed on the International for consideration by the Examiner application. Since the International authorities, copies of these reference trilateral agreement and are believed (MPEP 1893.03(g))	port is attached for the Exan al Search Report are listed on r and for listing on any pa Search Report was from the es should have been supplied	niner's information. The the attached Form-1449 tent resulting from this US, EPO, or JPO search to the USPTO under the		
III.	CONCISE EXPLANATION OF THE	HE RELEVANCE (check at l	east one box)		
	A. Except as may be indicated information are in the English langua				
	B. A concise explanation of information listed that is not in the 1.98(a)(3)):				
	foreign application:  2. English translations are	tract has been provided fo	• •		
	C. The following additional inform	nation is provided for the Exa	miner's consideration.		
IV.	CROSS REFERENCE TO RELATE	ED APPLICATION(S)			
	A. The Examiner is advised that the following co-pending application(s) co-subject matter that may be related to the present application. By bringing this application(s) to the Examiner's attention, Applicant(s) does(do) not wait confidentiality provisions of 35 U.S.C. § 122.				
	<u>Serial No.</u>	Filing Date	Art Unit		

THIS	IDS IS BEING FILED UNDER
A. [	37 C.F.R. § 1.97(b): (check <u>only</u> one box)
	1. within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d) (37 C.F.R. § 1.97(b)(1)). No fee or certification is required.
	2. within three months of the date of entry of the national stage as set forth in §1.491 in an international application (37 C.F.R. § 1.97(b)(2)). No fee or certification is required.
	3. before the mailing of a first Office Action on the merits (37 C.F.R. § 1.97(b)(3)). No fee or certification is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the certification under 37 C.F.R. § 1.97(e) below; or, if no certification has been made, charge our deposit account a fee in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p).
	4. Defore the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No fee or certification is required.
в.⊠ .	37 C.F.R. § 1.97(c): (check <u>only</u> one box)
	before the mailing date of either any Final Office Action under 37 C.F.R. § 1.113, a Notice of Allowance under 37 C.F.R. § 1.311, or an action that otherwise closes prosecution.
	1. No certification; therefore, a fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).
	2. See the certification below. No fee is required.
C. 🔲	37 C.F.R. § 1.97(d):
	after the mailing date of either a Final Office Action under 37 C.F.R. § 1.113 or a Notice of Allowance under 37 C.F.R. § 1.311, yet on or before payment of the issue fee.
	1. See the certification below. A fee in the amount of \$180.00 is required by 37

C.F.R. § 1.17(p).

#### VI. CERTIFICATION UNDER 37 C.F.R. § 1.97(e): (check only one box)

	A.	each item of information contained in this IDS was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(1)). See further statement under 37 C.F. R. 1.704(d) below in section VII, if applicable; or
	В.	no item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(2)).
	C.	Some of the items of information were first cited in a communication from a foreign patent office. As to this information, the undersigned hereby certifies that each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby certifies that no item of this remaining information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS.
VII.	ST	ATEMENT UNDER 37 CFR 1.704(d)
	The	e undersigned hereby states that:
_	pat	each item of information contained in this IDS was cited in a communication from a tent office in a counterpart application and this communication was not received by any designated in 37 C.F.R. 1.56(c) more than thirty days prior to the filing of this IDS.
VIII.	PA	YMENT OF FEES (check only one box)
	A.	A check in the amount of \$180.00 is enclosed for the above-identified fee.
	В. [	Please charge Deposit Account No. 08-0750 in the amount of \$180.00 for the above-

The above references are being cited only in the interest of candor and without any admission that they constitute statutory prior art, contain matter which anticipates the invention, or which would render the same obvious, either singly or in combination, to a person of ordinary skill in the art. Furthermore, this Information Disclosure Statement shall not be construed as a representation that a search has been made.

indicated fee. A duplicate copy of this paper is attached.

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If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 08-0750.

Please charge any additional fees or credit any overpayment pursuant to 37 C.F.R.  $\S$  1.16 or  $\S$  1.17 to Deposit Account No. 08-0750.

Respectfully submitted,

HARNESS, DICKER, & PIERCE, P.L.C.

By

John A. Castellano, Reg. No. 35,094

P.O. Box 8910

Reston Virginia 20195

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JAC/DJC:js

Lifetosures.	Enc.	losures:
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Form PTO-1449(s)

Documents

Korean Office Action dated November 23, 2004 and translation

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Other:

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	FORM HDP-1449 (Based on Form PTO-1449)				ATTORNEY DOCKET NO.		SERIAL NO.			
					2557-000170/US		10/655,024			
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FOREI	GN PATENT I	DOCUMENTS								
Ref. Desig.	Examiner's Initials	Document Number	Date	Countr	v	Class/ Subclass		Translation Yes No		
		10-145191	05/29/1998	JAPA	·			Abstract		
		1998-056142	09/25/1998	KOR	KOREA			Abstract		
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